



City of Cambridge

Purchasing Department

Cynthia H. Griffin
Purchasing Agent

To: All bidders

From: City of Cambridge

Date: August 31, 2012

Re: File No. 5868- Restoration of the Cambridge Street Underpass- **Addendum No.1**

The following questions were submitted and answered during the pre-bid meeting.

Pre-bid Attendees: Jeya Niranjana, City of Cambridge
Nikole Bulger, STV Incorporated
Evan Batchis, STV Incorporated
Kevin Hubbard, MIG Inc.

Q: Please clarify the division of work to be performed between Item 129, Pavement Milling, and Item 415 Pavement Micromilling.

A: Pavement Micromilling is required for the removal of the existing wearing surface on the invert slabs, which is the area between the underpass portals and the approach slabs. Pavement Milling is required between the eastern approach slab and Quincy Street on both Cambridge Street and Broadway. See Plan Sheets R-C-06, R-C-07, R-S-10, and R-S-11 for exact locations.

Q: Are the pump room doors being blasted and painted?

A: No, the pump room doors are to be removed and replaced as described in Item 106.36. Cleaning and blasting in accordance with Item 961 are required for the side and top angles forming the existing door frame. The bottom angle will be removed and replaced. See Plan Sheet R-S-22 for more information.

Q: What is the applicability of the concrete study?

A: The concrete study is required so that architectural concrete repairs on the retaining walls, approach medians, and overhead portals will blend with the existing concrete in both color and texture. See Item 909.2 for complete information.

Q: Please clarify the artist coordination.

A: See Item 709.05 for complete information. The Contractor will coordinate with the artist to establish the application details and schedule. The artist will furnish and install the stencils/design aids required to allow the Contractor to apply the elastomeric coating to the concrete underpass walls in the desired pattern. Multiple colors of elastomeric coating will be required.



The following questions were submitted and answered.

- Q: What is included in the work of bid item 629.4 Roadway Median Repair?
- A: Roadway Median Repair consists of the work shown on sheets R-S-20 and R-S-21 in the three locations shown on sheet R-S-19. The medians and safety curbs at these locations are to be demolished down to the invert slab and reconstructed to allow for future expansion and contraction of the slab without damaging the safety curb and median structures. This work includes all work between the faces of the curbs with the exception of the Precompressed Joint material and installation (Item 973.1).
- Q: Sheet R-S-23 calls for the existing anchor bolts securing the railing to be removed for a 6" depth. Specification 655.2 states that the anchor bolts are to be cut off flush. Please clarify.
- A: The existing anchor bolts shall be removed down to 6" and the hole shall be sealed with non-shrink grout.
- Q: In specification 701 it states that 701.10 pertains to 900.01 but the items are not in the specifications.
- A: This statement may be disregarded.
- Q: Specification 701.29 calls for cast iron detectable panels and 12"x12"x2.25" Yellow Hanover panels. Where do the Yellow Hanover Panels go?
- A: Cast in place detectable panels shall be Cast-Iron per detail on sheet R-C-14. Yellow Hanover Detectable Warning Pavers will not be used.
- Q: Specification 989.3 calls for a mock up of each "finish method." Specification 909.2 requires sampling of existing concrete retaining walls, overhead portal faces and medians. How many locations are to be tested and how many mockups are required?
- A: The retaining walls, portal faces and approach medians are all considered architectural concrete and were originally constructed to be similar in appearance to an exposed aggregate finish. The goal is to replicate this finish so that repaired areas will blend in with the existing. The concrete to be tested and used to match this appearance may be taken from a minimum of one representative location. Accordingly, a minimum of one mockup will be required, but will need to be performed as many times as required to produce a finish that is acceptable to the engineer.
- Q: Specification 989.3 "Basis of Payment" refers to items Depth over 6" and Depth less than 6" but there is only one pay item. Please clarify.
- A: Per the drawing set, there are no 'depth over 6"' type repairs at architectural repair type locations. The basis of payment will therefore only be paid in a single unit price per square foot for architectural repair of concrete (depth less than 6").

- Q: Pay item 482.4 has a quantity of 0. Please clarify.
- A: Under the base bid, pay item 482.4, Sawing Cement Concrete Pavement, is correctly shown as 0ft. and was left in as a placeholder. Bid Alternative #1 calls for 30ft. of sawing cement concrete pavement.
- Q: Item 806.15, 1½" Electrical Conduit has a unit of cubic yard. Please confirm that the correct unit is linear foot.
- A: Linear foot is the correct unit for item 806.15, 1½" Electrical Conduit.
- Q: Item 909.2 Concrete Study has a quantity of 12,050 LS. Please confirm that the correct quantity is 1 LS.
- A: 1 LS is the correct quantity for item 909.2, Concrete Study.
- Q: For item 485 – Granite Rubble Block Pavement, the specifications call out "furnishing and setting Granite Rubble Block Pavement on a sand cushion on a concrete base course as shown on the drawings and details..." The detail on sheet R-C-6 shows 4" of gravel instead of concrete. Is a cement concrete base required under the rubble block pavement? If so, please provide a detail (thickness, reinforcing...).
- A: Granite Rubble Block Pavement shall be set on a 1½" sand cushion setting bed and 4" Type B gravel borrow per detail on sheet R-C-14.
- Q: Please refer to item 476.4 Fiber Reinforced Polymer System. Can the engineer specify the required thickness of the FRP System? That will help determine how many layers of FRP are required.
- A: The FRP system is a three layered system consisting of primer, putty, and a single layer of the fiber reinforcement fabric applied with a satur
- Q: The City Minority Business Enterprise Program requires at least 10% of the contract value to be subcontracted to Minority Business firms. Specification page 00311-01 states 'Only MBE firms approved by SOMWBA will be accepted by the City of Cambridge'. Can WBE firms on the list be used to satisfy this goal, or only MBE firms?
- A: No, has to be MBE.

All other details remain the same.


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